

# Summary of Emergency Management Results from Pilot Evaluations

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# Objectives for Emergency Management team

- ▶ Confirm that Critical Safety Function scenarios were addressed in HS/EPHA
- ▶ Determine whether site/facility had robust capabilities that allow flexible and effective emergency response to severe events
- ▶ Engage site/facility personnel regarding preferences for requirements/guidance changes where alternate courses of action existed

# Results

- ▶ Existing Hazard Survey/EPHA process is sound
  - Hazards Surveys/EPHAs already addressed the CSF scenarios
  - HS-45 has conducted 4 independent reviews of other sites with similar conclusion
    - Y-12
    - LANL
    - INL
    - WIPP

# Results

- ▶ Sites/facilities regularly use NIMS Incident Command/Unified Command
  - Unified Command allows multiple jurisdictions to set common objectives during response
  - Allows most efficient use of limited resources to accomplish National Response Priorities\*
    1. Safety of human life
    2. Stabilize situation
    3. Minimize adverse impacts to environment

\* 40 CFR 300.317

# Results

- ▶ Proactive steps underway to improve
  - Coordination with offsite organizations
  - Response where event impacts multiple facilities
  - Drill and Exercise program to include severe events and events impacting multiple facilities

# Results

- ▶ Facility safety/conduct of operations
  - DOE emergency management protects workers and public from impact of hazardous material release
  - Information from BDBE (CSF) analysis can focus emergency planning actions
  - BDBE (CSF) analysis may have greater impact improving/developing
    - Procedures to limit progression of accident scenario
    - Safe shutdown of facility to achieve “walk away” condition



# Emergency Management Pilot

## Conclusions

- ▶ Emergency management hazard identification structure is sound
- ▶ Severe event approach will improve planning for high-consequence, low-probability events
  - Whether guidance or mix of requirement and guidance changes needed still to be determined
- ▶ Team approach can provide a more integrated response
  - Team needs
    - safety analysts
    - facility operations personnel
    - emergency management personnel